

1000-1510-002-100

PTO/SB/01 (10-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

☐

Declaration
Submitted
with Initial
Filing

OR

☒

Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

Attorney Docket Number

MET-002 (1002/003)

First Named Inventor

Besterman

COMPLETE IF KNOWN

Application Number

10/051,819

Filing Date

01/14/2002

Art Unit

Examiner Name

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHODS FOR SPECIFICALLY INHIBITING HISTONE DEACETYLASE-4

(Title of the Invention)

the specification of which

☐

is attached hereto

OR

☒

was filed on (MM/DD/YYYY)

01/14/2002

as United States Application Number or PCT International

Application Number

10/051,819

and was amended on (MM/DD/YYYY)

(If applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input type="checkbox"/>		Customer Number or Bar Code Label		OR <input checked="" type="checkbox"/> Correspondence address below	
Wayne A. Keown Name					
500 West Cummings Park, Suite 2900 Address					
Woburn City			MA State		01801 ZIP
USA Country		781-938-1805 Telephone		781-938-4777 Fax	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
NAME OF SOLE OR FIRST INVENTOR :			<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name Jeffrey M. (first and middle [if any])			Family Name Besterman or Surname		
Inventor's Signature <i>Jeffrey M. Besterman</i>				Date April 3, 2002	
Baie D-Urfe Residence: City		Quebec State	Canada Country	US Citizenship	
51 Gray Crescent					
Mailing Address					
Baie D-Urfe City		Quebec State	H9X 3V3 ZIP	Canada Country	
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name Claire (first and middle [if any])			Family Name Bonfils or Surname		
Inventor's Signature <i>C. Bonfils</i>				Date 27 Mar 2002	
Montreal Residence: City		Quebec State	Canada Country	Canada Citizenship	
10629 St. Hubert					
Mailing Address					
Montreal City		Quebec State	H3C 2H9 ZIP	Canada Country	
<input checked="" type="checkbox"/> Additional inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.					

PTO/SB/02A (10-00)

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DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>1</u> of <u>2</u>
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Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Li	Family Name or Surname Zuomei		
Inventor's Signature	Date April 3, 02		
Kirkland Residence: City	Quebec State	Canada Country	Canada Citizenship
22 Oriole Street Mailing Address			
Mailing Address			
City Kirkland	Quebec State	H9H 3X3 ZIP	Canada Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Soon Hyung	Family Name or Surname Woo		
Inventor's Signature	Date May 28, 2002		
Beaconsfield Residence: City	Quebec State	Canada Country	Korea Canada Citizenship
319 Penn Road Mailing Address			
Mailing Address			
City Beaconsfield	Quebec State	H9W 1B4 5 ZIP	Canada Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Arkadii	Family Name or Surname Vaisburg		
Inventor's Signature	Date March 22, 2002		
Kirkland Residence: City	Quebec State	Canada Country	Canada Citizenship
10 Riverwood Grove Mailing Address			
Mailing Address			
City Kirkland	Queb c State	H9J 2X2 ZIP	Canada Country

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PTO/SB/02A (10-00)

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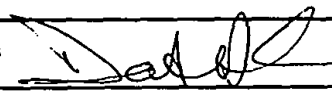
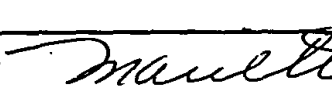
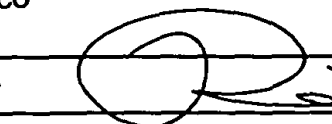
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION**ADDITIONAL INVENTOR(S)**
Supplemental Sheet
Page 2 of 2**Name of Additional Joint Inventor, if any:**☐ A petition has been filed for this unsigned inventor**Given Name**
Daniel**Family Name or Surname**
Delorme**Inventor's Signature****Date** 27/3/02**St.-Lazare**
Residence: City**Quebec**
State**Canada**
Country**Canada**
Citizenship**793 Charbonneau**
Mailing Address**Mailing Address****City** St.-Lazare**Quebec**
State**J7T 2B2**
ZIP**Canada**
Country**Name of Additional Joint Inventor, if any:**☐ A petition has been filed for this unsigned inventor**Given Name**
Marielle**Family Name or Surname**
Fournel**Inventor's Signature****Date** March 28/2002**St.-Lazare LaSalle**
Residence: City**Quebec**
State**Canada**
Country**Canada**
Citizenship**8799 Lithuania Street**
Mailing Address**Mailing Address****City** St.-Lazare LaSalle**Quebec**
State**H8R 2S1**
ZIP**Canada**
Country**Name of Additional Joint Inventor, if any:**☐ A petition has been filed for this unsigned inventor**Given Name**
Rico**Family Name or Surname**
Lavoie**Inventor's Signature****Date****Hamden Hamden**
Residence: City**CT**
State**US**
Country**US CANADA**
Citizenship**5131 Town Walk Drive 84 Hubbard Place**
Mailing Address**Mailing Address****City** Hamden**CT**
State**065187**
ZIP**US**
Country

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Included original

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>2</u> of <u>2</u>	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Daniel	Family Name or Surname Delorme		
Inventor's Signature 		Date 27/3/02	
St.-Lazare Residence: City	Quebec State	Canada Country	Canada Citizenship
793 Charbonneau Mailing Address			
Mailing Address			
City St.-Lazare	Quebec State	J7T 2B2 ZIP	Canada Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Marielle	Family Name or Surname Fournel		
Inventor's Signature 		Date March 28, 2002	
St.-Lazare LaSalle Residence: City	Quebec State	Canada Country	Canada Citizenship
8799 Lithuania Street Mailing Address			
Mailing Address			
City St.-Lazare LaSalle	Quebec State	H8R 2S1 ZIP	Canada Country
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name Rico	Family Name or Surname Lavoie		
Inventor's Signature 		Date APRIL 23/2002	
Hamden Residence: City	CT State	US Country	US CANADA Citizenship
5131 Town Walk Drive Mailing Address			
Mailing Address			
City Hamden	CT State	06518 7 ZIP	US Country

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RECORDATION FORM COVER SHEET

Continuation Sheet

Page 2

To the Honorable Commissioner of Patents and Trademarks

Name of conveying parties:

Arkadii Vaisburg

Daniel Delorme

Marielle Fournel

Rico Lavoie

Application number: 10/051,819

Patent Application No.: Filed 01/14/02 priority to U.S. 60/261,674 filed 01/12/01

ASSIGNMENT

WHEREAS we, Jeffrey M. Besterman, being a citizen of the United States of America and residing at 51 Gray Crescent, Bai D-Urfe, Quebec, Canada H9X 3V3, Claire Bonfils, being a citizen of Canada and residing at 10629 St. Hubert, Montreal, Quebec, Canada H2C 2H9, Li Zuomei, being a citizen of Canada and residing at 22 Oriole Street, Kirkland, Quebec, Canada H9H 3X3, Soon Hyung Woo, being a citizen of Canada and residing at 319 Penn Road, Beaconsfield, Quebec, Canada H9W 1B5, Arkadii Vaisburg being a citizen of Canada and residing at 10 Riverwood Grove, Kirkland, Quebec, Canada H9J 2X2, Daniel Delorme being a citizen of Canada and residing at 793 Charbonneau, St.-Lazare, Quebec, Canada J7T 2B2, Marielle Fournel being a citizen of Canada and residing at 8799 Lithuania Street, Ville LaSalle, Quebec, Canada H8R 2S1, Rico Lavoie being a citizen of Canada and residing at 84 Hubbard Place, Hamden, Connecticut 06517, are inventors of certain new and useful inventions and discoveries, for which we have made an application for Letters Patent entitled **METHODS FOR INHIBITING HISTONE DEACETYLASE-4**, which application was filed in the United States Patent and Trademark Office on January 14, 2002 and assigned Serial No. 10/051,819; and

WHEREAS MethylGene, Inc., whose address is 7220 Frederick-Banting, St. Laurent Quebec H4S-2A1 CANADA, which together with its successors and assigns is hereinafter called "ASSIGNEE," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

NOW THEREFORE, for and in consideration of good and valuable consideration furnished by ASSIGNEE to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer and convey to ASSIGNEE the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent, any and all other applications for Letters Patent on said inventions and discoveries in

Assignment had not been made; and particularly to execute and deliver to ASSIGNEE all lawful application documents including petitions, specifications and oaths, and all assignments, disclaimers and lawful affidavits in form and substance as may be requested by ASSIGNEE; and to communicate to ASSIGNEE all facts known to me relating to said inventions and discoveries or the history thereof, and to testify as to the same in any court or proceeding; and to furnish ASSIGNEE any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said invention and discoveries.

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals.

Date: April 3, 2002

Jeffrey M. Besterman
Jeffrey M. Besterman

Then personally appeared before me this 3rd day of April, 2002, the above named Jeffrey M. Besterman who acknowledged the execution of the foregoing instrument to be his free act and deed.

Luke Lior
~~Notary Public~~ *Witness*

Date: 27 Mar 2002

Claire Bonfils
Claire Bonfils

Then personally appeared before me this 27th day of March, 2002, the above named Claire Bonfils who acknowledged the execution of the foregoing instrument to be his free act and deed.

Luke Lior
~~Notary Public~~ *Witness*

Date: April 3, 02

2. 2.

Li Zuomei

Then personally appeared before me this April 3 day of 2002, 2002,
the above named Li Zuomei who acknowledged the execution of the foregoing
instrument to be his free act and deed.

Lurii Simon
~~Notary Public~~ witness

Date: Mar 28 / 2002

Soon H. Woo

Soon Hyung Woo

Then personally appeared before me this 28th day of March, 2002,
the above named Soon Hyung Woo who acknowledged the execution of the foregoing
instrument to be his free act and deed.

Lurii Simon
~~Notary Public~~ WITNESS

Date: March 27 / 2002


Arkadii Vaisburg

Arkadii Vaisburg

Then personally appeared before me this 27th day of March, 2002,
the above named Arkadii Vaisburg who acknowledged the execution of the foregoing
instrument to be his free act and deed.

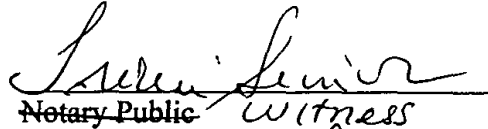
Lurii Simon
~~Notary Public~~ WITNESS

Date: March 27/2002

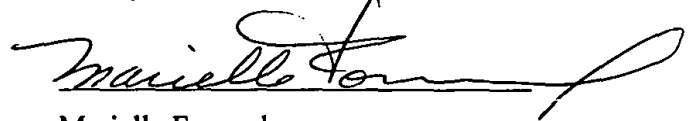


Daniel Delorme

Then personally appeared before me this 27th day of March, 2002,
the above named Daniel Delorme who acknowledged the execution of the foregoing
instrument to be his free act and deed.

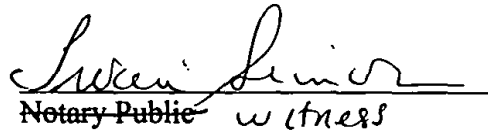

~~Notary Public~~ witness

Date: March 28/2002



Marielle Fournel

Then personally appeared before me this 28th day of March, 2002,
the above named Marielle Fournel who acknowledged the execution of the foregoing
instrument to be his free act and deed.


~~Notary Public~~ witness

Date: _____


Rico Lavoie

Then personally appeared before me this _____ day of _____, 2002,
the above named Rico Lavoie who acknowledged the execution of the foregoing
instrument to be his free act and deed.

(original attached)


Notary Public

Date: March 27/2002

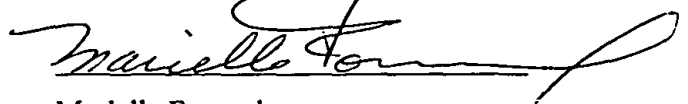


Daniel Delorme

Then personally appeared before me this 27th day of March, 2002,
the above named Daniel Delorme who acknowledged the execution of the foregoing
instrument to be his free act and deed.



Notary Public *witness*

Date: March 28/2002



Marielle Fournel

Then personally appeared before me this 28th day of March, 2002,
the above named Marielle Fournel who acknowledged the execution of the foregoing
instrument to be his free act and deed.

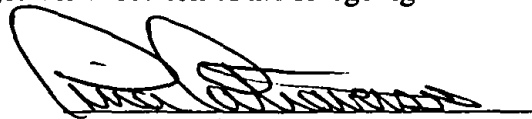

Notary Public *witness*

Date: APRIL 23/2002



Rico Lavoie

Then personally appeared before me this 24 day of APRIL, 2002,
the above named Rico Lavoie who acknowledged the execution of the foregoing
instrument to be his free act and deed.


Notary Public *witness*

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
ALT-010/P1 United States of America	PRO	60/112,311 16-Aug-2001			Pending 16-Aug-2002
<i>Title:</i> THERAPEUTIC ADJUVANTS					
ALT-011/P1 United States of America	PRO	60/301,001 26-Jun-2002			Pending 26-Jun-2002
<i>Title:</i> MODULATION OF THE IMMUNE SYSTEM UTILIZING BINDING AGENTS TARGETING IMMUNE REGULATORY RECEPTORS					
ALT-012/P1 United States of America	PRO	60/349,686 17-Jan-2002			Pending 17-Jan-2003
<i>Title:</i> CANCER THERAPEUTICS					
ALT-013/P1 United States of America	PRO	60/339,240 26-Oct-2001			Pending 26-Oct-2002
<i>Title:</i> COMBINATION THERAPY FOR TREATING DISEASE					
ALT-014/P1 United States of America	PRO	60/271,399 21-Mar-2001			Pending 21-Mar-2002
<i>Title:</i> THERAPEUTIC COMPOSITIONS THAT ALTER THE IMMUNE RESPONSE					
ALT-015/P1 United States of America	PRO	60/311,111 11-Apr-2002			Pending 11-Apr-2003
<i>Title:</i> BINDING AGENTS AND THEIR USE IN TARGETING TUMOR CELLS					
HYB-001/2 United States of America	CON	60/311,111 12-Jun-2002			Pending
<i>Title:</i> OLIGONUCLEOTIDE MEDIATED SPECIFIC CYTOKINE INDUCTION AND IN VIVO PROTECTION FROM INFECTION					
HYB-002/1 United States of America	ORD	60/339,250 14-Aug-2000			Pending
<i>Title:</i> MODULATION OF OLIGONUCLEOTIDE CpG-MEDIATED IMMUNE STIMULATION BY POSITIONAL MODIFICATION OF NUCLEOSIDES					
HYB-004/1 United States of America	ORD	60/311,111 15-Nov-2000			Pending
<i>Title:</i> MODULATION OF OLIGONUCLEOTIDE CpG-MEDIATED IMMUNE STIMULATION BY POSITIONAL MODIFICATION OF NUCLEOSIDES					

Case Number/Subcase Country Name	Case Type	Application Number/Date	Publication Number/Date	Patent Number/Date	Status Expiration Date
HYB-004/2 United States of America	ORD	09/065,116 26-Sep-2001			Pending
<i>Title:</i> MODULATION OF OLIGONUCLEOTIDE CpG-MEDIATED IMMUNE STIMULATION BY POSITIONAL MODIFICATION OF NUCLEOSIDES					
HYB-005/I United States of America	ORD	09/065,116 26-Sep-2001			Pending
<i>Title:</i> IMMUNOSTIMULATORY OLIGONUCLEOTIDES CONTAINING 5-HYDROXY DEOXYCYTOSINE OR N4-ETHYL-DEOXYCYTOSINE					
HYB-006/ United States of America	ORD	10/137,687 02-May-2002			Pending
<i>Title:</i> IMMUNOSTIMULATORY ACTIVITY OF CpG OLIGONUCLEOTIDES CONTAINING NON-IONIC METHYLPHOSPHORATE LINKAGES					
HYB-007/P1 United States of America	PRO	60/344,767 24-Oct-2001			Pending 24-Oct-2002
<i>Title:</i> MODULATION OF IMMUNOSTIMULATORY OLIGONUCLEOTIDE COMPOUNDS BY OPTIMAL PRESENTATION OF 5' ENDS					
HYB-008/P1 United States of America	PRO	60/376,623 30-Apr-2002			Pending 30-Apr-2003
<i>Title:</i> MODULATION OF IMMUNE STIMULATION EFFECTS OF IMMUNOSTIMULATORY OLIGONUCLEOTIDES BY OPTIMAL PRESENTATION OF 5' ENDS					
IMM-001/P1 United States of America	PRO	60/343,855 21-Dec-2001			Pending 21-Dec-2002
<i>Title:</i> KNOCKOUT SWINE AND METHODS FOR MAKING THE SAME					
MET-002/I United States of America	ORD	10/051,819 14-Jan-2002			Pending
<i>Title:</i> COMPOSITIONS AND METHODS FOR THE INHIBITION OF HISTONE DEACETYLASE-4					
MET-003/4 United States of America	DIV	09/557,996 24-Apr-2000			Pending
<i>Title:</i> DNA METHYLTRANSFERASE ANTISENSE OLIGONUCLEOTIDES					
MET-004/I United States of America	ORD	10/052,390 14-Jan-2002			Pending
<i>Title:</i> METHOD FOR SPECIFICALLY INHIBITING DEACETYLASE-4					